

Claims

1. A guidance method for scrolling data shown on the display of a terminal, where the scrolling direction depends on the tilt angle of the terminal,

5 characterized by the steps of:

reading the coordinates of the scrolling display at a fixed reading point of the screen at predetermined time intervals, wherein a set of motion vectors are obtained,

10 determining the scrolling direction based on the set of motion vec-
tors,

examining whether the scrolling direction is roughly the same as the direction of a text line, and if so,

15 reinforcing the displayed scrolling in the direction of the text line as long as the difference between the current scrolling direction and the text line direction is less than a predetermined threshold value.

2. The method according to 1, characterized further by comprising the steps of:

detecting periodically whether text is shown on the display,

defining the direction of the text lines in response to the detection
20 and saving the result together with the detection time,

calculating the motion distribution as a time function, by using the motion vector set, and

comparing the motion distribution with the saved result.

3. The method according to 1, characterized in that the direction of text lines is defined by character recognition.

4. The method according to 1, characterized in that the direction of text lines is defined on the basis of the coordinates.

5. A hand-held terminal having a motion-controlled scrolling operation,

30 characterized in that the terminal is adapted to:

read coordinates of the scrolling display at a fixed reading point of the screen at predetermined time intervals, wherein a set of motion vectors is obtained,

determine the scrolling direction based on the set of motion vectors,

examine whether the scrolling direction is roughly the same as the direction of a text line, and if so,
reinforce the displayed scrolling in the direction of the text line as long as the difference between the current scrolling direction and the text line
5 direction is less than a predetermined threshold value.

6. The hand-held terminal as in claim 5,
characterized in that the user terminal is further adapted to detect periodically whether text is shown on the display,
define the direction of the text lines in response to the detection
10 and save the result together with the detection time,
calculate the motion distribution as a time function, by using the motion vector set, and
compare the motion distribution with the saved result.